

What is claimed is:

1. A modular system comprising an electrical base unit with a plurality of slots each for receiving a pluggable electrical unit, each pluggable electrical unit being electrically
5 connected to the base unit by means of a multi-pin plug-in connection comprising a plug-in contact device and a mating plug-in contact device and the base unit being provided with signal processing means, characterized
- in that the plug-in contacts of the multi-pin plug-in connection (13, 23) are divided
10 into at least two groups (31, 32),
- in that a first group (31) of plug-in contacts is intended for the connection of permanently configured lines (41) for the identification of the pluggable electrical unit (2) and
- in that a second group (32) of plug-in contacts is intended for the connection of
15 freely configurable lines (42) for the communication of the pluggable electrical unit (2) with the base unit (1), the direction of signal transmission and the logical signal assignment of these lines being predeterminable slot-specifically in accordance with the identity of the pluggable electrical unit (2) and able to be set as prescribed by the signal processing means (12).
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2. System according to Claim 1, characterized
in that a third group (33) of plug-in contacts is intended for the connection of
permanently configured lines (43) for the communication of the pluggable electrical unit
25 (2) with the base unit (1).
3. The system of Claim 1 wherein said pluggable electrical unit has a microcontroller, which is connected to the second and third groups of plug-in contacts.
- 30 4. System according to Claim 1, characterized

in that the pluggable electrical unit (2) has a serial read-only memory (21), which is connected to the permanently configured lines (41) of the first group (31) of plug-in contacts and which has identifiers for the identification of the pluggable electrical unit (2).

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5. System according to Claim 4,
characterized

in that individual configuration data of the pluggable electrical unit (2) are stored in the serial read-only memory (21).

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6. The system of Claim 2 wherein said pluggable electrical unit has a microcontroller, which is connected to the second and third groups of plug-in contacts.

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